

DOE 450.1
IMPLEMENTATION
WORKSHOP

FIRE MANAGEMENT

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ENVIRONMENTAL INTERACTIONS

- Identify site fire management related activities, products and services that may interact with the environment
 - Firefighting
 - Prescribed fires
 - Operational fires
 - Structural fires

ENVIRONMENTAL INTERACTIONS (cont'd)

- The following physical, biological & cultural resources may all be affected:
 - Water
 - Air
 - Soil
 - Wildlife
 - Historic and prehistoric sites

ENVIRONMENTAL IMPACTS

- Potential impacts resulting from the activities identified may be detrimental or beneficial

Detrimental Impacts

- Soil (erosion, permeability)
- Diminished seed viability
- Diminished water quality
- Diminished air quality

ENVIRONMENTAL IMPACTS

(cont'd)

Beneficial Impacts

- Reduction of fire hazard
- Control of invasive plant species
- Improve wildlife habitat

APPLICABLE REGULATORY REQUIREMENTS

- Migratory Bird Treaty Act
- Endangered Species Act
- CAA

OTHER REQUIREMENTS

- DOE Wildland and Prescribed Fire Management Policy
- DOE Secretarial Memorandum (Fire Management Program) dated May 11, 2001
- 2001 Federal Wildland Fire Management Policy

ENVIRONMENTAL OBJECTIVES AND TARGETS

- Example of an objective:
 - Improve wildlife habitat
- Targets may include:
 - Reduction of fuel loads in specific areas
 - Eradication of invasive plant species
 - Replant/reseed area with wildlife food species

CHECKING AND CORRECTIVE ACTION

- Conduct post-fire surveys at earliest opportunity to determine extent of damage
- Restore/rehabilitate burned areas as appropriate